

Joint Chemical Agent Detector (JCAD)

DESCRIPTION

The JCAD is a Joint Service program what will provide all the Services with a hand held detector capable of detecting, identifying, quantifying, and warning personnel of the presence of nerve, blister, and blood agents by state (e.g., aerosol, gases, or liquid); and provide warning of the presence or absence of the agents. The JCAD will be capable of displaying the detected agent by class, cumulative dosage, point concentration, and alarm levels. The JCAD can be mounted inside of vehicles and aircraft and employed as a personal detector. The system may be a single detector or network of detectors capable of providing warning of the presence of CW agents.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>0</i>	<i>0</i>

OPERATIONAL IMPACT

The JCAD will provide local and remote audible and visual alarms as well as providing and receiving digitized information, via standard data ports compatible with Joint Technical Architecture, to and from existing or future warning and reporting systems such as, but not limited to, the GCCS and JWARN. The JCAD will be located down to the company/squadron level. As an individual detector/unit detector, the quantity required is one per thirteen Marines. As a vehicle mounted detector, the requirement is one per vehicle/platform. The JCAD can be employed as a fixed facility detector and survey detector for monitoring chemical agents concentrations and accumulated dose.

PROGRAM STATUS

JCAD is fifth on the JSIG priority list. IOC is scheduled for FY02 and FOC for FY04.

DEVELOPER/MANUFACTURER

MARCONI and Femtometrics